

[METHOD AND APPARATUS for DEFECT DETECTION IN OPTICAL DISC DRIVES]

Abstract of Disclosure

A defect detection method is used to generate a disc defect signal while recording or reproducing information recorded onto an optical disc. The method compares the difference between a reflected light intensity signal(SBAD) and a low-pass filtered SBAD with a predetermined level. A defect signal is generated during a period when the difference exceeds a predetermined value. The defect signal opens a switch to hold the low-passed signal of the SBAD and disconnects the low-pass filter from the SBAD at the moment a defect signal occurs. The held value of the low-passed signal effectively replaces the low-passed signal until the difference between the SBAD and held low-passed signal returns to within the predetermined limits, which re-closes the switch re-connecting the low-pass filter to the SBAD.

Figures